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APPLICATION NO.	F	ILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/871,564	09/871,564 05/31/2001		· Alan Collis	CA2295US-NP	1142
5487	7590	02/13/2006		EXAMINER	
ROSS J. O		CELETICAL S INC	MORRIS, PATRICIA L		
ROUTE 202		CEUTICALS INC.	ART UNIT	PAPER NUMBER	
MAIL COD	E: D303A		1625		
BRIDGEWA	ATER, N.	J 08807	DATE MAILED: 02/13/2006		

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)					
	09/871,564	COLLIS ET AL.					
Office Action Summary	Examiner	Art Unit					
	Patricia L. Morris	1625					
The MAILING DATE of this communication ap Period for Reply	pears on the cover sheet with the	correspondence address					
A SHORTENED STATUTORY PERIOD FOR REPL WHICHEVER IS LONGER, FROM THE MAILING Description of time may be available under the provisions of 37 CFR 1. after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory period Failure to reply within the set or extended period for reply will, by statut Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNICATIO 136(a). In no event, however, may a reply be ti will apply and will expire SIX (6) MONTHS fron e, cause the application to become ABANDONI	N. mely filed n the mailing date of this communication. ED (35 U.S.C. § 133).					
Status							
1)⊠ Responsive to communication(s) filed on 01 L	December 2005						
· · · · · · · · · · · · · · · · · · ·	This action is FINAL . 2b) ⊠ This action is non-final.						
	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.							
Disposition of Claims							
4)⊠ Claim(s) <u>1-20</u> is/are pending in the application	1						
4a) Of the above claim(s) <u>2,6,7,9,10,14 and 16-20</u> is/are withdrawn from consideration.							
5) Claim(s) is/are allowed.							
6)⊠ Claim(s) <u>1 and 8</u> is/are rejected.							
7)⊠ Claim(s) <u>3-5,11-13 and 15</u> is/are objected to.	i <u> </u>						
8) Claim(s) are subject to restriction and/o	or election requirement						
	or o						
Application Papers							
9) The specification is objected to by the Examin							
10) The drawing(s) filed on is/are: a) acc	• • •						
Applicant may not request that any objection to the	• , ,	` ,					
Replacement drawing sheet(s) including the correct							
11)☐ The oath or declaration is objected to by the E	xaminer. Note the attached Office	e Action or form PTO-152.					
Priority under 35 U.S.C. § 119							
12) ☐ Acknowledgment is made of a claim for foreign a) ☐ All b) ☐ Some * c) ☐ None of:	n priority under 35 U.S.C. § 119(a	a)-(d) or (f).					
1. Certified copies of the priority documen	ts have been received.						
2. Certified copies of the priority documents have been received in Application No							
3. Copies of the certified copies of the price	ority documents have been receiv	ed in this National Stage					
application from the International Burea	iu (PCT Rule 17.2(a)).						
* See the attached detailed Office action for a list	t of the certified copies not receive	ed.					
Attachment(s)							
1) Notice of References Cited (PTO-892)	4) Interview Summary						
 Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08 	Paper No(s)/Mail D	Pate Patent Application (PTO-152)					
Paper No(s)/Mail Date	6) Other:						

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DETAILED ACTION

Claims 1, 3-5, 8, 11-13 and 15 are under consideration in this application.

Claims 2, 6, 7, 9, 10, 14 and 16-20 are held withdrawn from consideration as being drawn to nonelected subject matter 37 CFR 1.142(b).

Election/Restrictions

Applicant's election of Group I and the species of example 1 without traverse in the reply filed on December 1, 2005 is acknowledged.

The restriction requirement is deemed sound and proper and is hereby maintained.

This application has been examined to the extent readable on the elected compound wherein Het is wherein Het is no let a substituted) aryl, R² is 4-pyridyl and R³-R⁵ represent nonhetereocyclic groups, exclusively. All additional heterocycles pertain to nonelected subject matter.

Claim Rejections - 35 USC > 112

The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

Claims 1 and 8 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the enablement requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to enable one skilled in the art to which it pertains, or with which it is most nearly connected, to make and/or use the invention.

The expressions substituted, solvates, prodrugs and bioistoeres are employed with considerable abandon throughout claims 1 and 8 with no indication given as to what the substituents, solvates, prodrugs and bioisteres really are.

One should be able, from a reading of the claims, determine what that claim does or does not encompass.

Why? Because that claim precludes others from making, using, or selling that compound for 20 years. Therefore, one must know what compound is being claimed.

The specification lacks direction or guidance for placing all of the alleged products in the possession of the public without inviting more than routine experimentation. Applicants are referred to <u>In re Fouche</u>, 169 USPQ 429 CCPA 1971, MPEP 716.02(b).

There are many factors to be considered when determining whether there is sufficient evidence to support a determination that a disclosure does not satisfy the enablement requirement and whether any necessary experimentation is undue. These factors include 1) the breadth of the claims, 2) the nature of the invention, 3) the state of the prior art, 4) the level of one of ordinary skill, 5) the level of predictability in the art, 6) the amount of direction provided by the inventor, 7) the existence of working examples, and 8) the quantity of experimentation needed to make or use the invention based on the content of the disclosure. In re Wands, 858 F.2d 731, 737, 8 USPQ2d 1400, 1404 (Fed. Cir. 1988).

The nature of the invention

The nature of the invention is the preparation of a novel compounds and their pharmaceutical compositions.

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State of the Prior Art

Substituents, prodrugs, bioisteres and solvates can have very different properties.

Substituents, prodrugs, bioisteres and solvates tend to convert from less stable to more stable forms. No method exists to predict what substituent, prodrug, bioisotere or solvate will work with any significant certainty. Compounds can convert from one form to another during the manufacturing process of a pharmaceutical drug and will change the pharmacological affects of the drug. This is why it is important to monitor the compounds during manufacture of the drug to see if it persists during manufacture.

The amount of direction or guidance and the presence or absence of working examples

The specification fails to describe any substituents, prodrugs, bioisoteres or solvates.

Solvates often change back to the original compound during drug manufacture. Based on the unpredictability in the art, applicants are not entitled to any and all unknown substituents, prodrug, bioisoteres and solvates.

The written description is considered inadequate here in the specification. Conception of the intended forms should not be the role of the reader. Applicants should, in return for a 20 year monopoly, be disclosing to the public that which they know as an actual demonstrated fact. The disclosure should not be merely an invitation to experiment. This is a 35 USC 112, first paragraph. If you (the public) find that it works, I claim it, is not a proper basis of patentability. In re Kirk, 153 USPQ 48, at page 53.

The breadth of the claims

The breadth of the claims are drawn to all forms in addition to the instant compounds.

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The quantity of experimentation needed

The quantity of experimentation needed would be undue when faced with the lack of direction and guidance present in the instant specification in regards to the compounds and their unknown other forms being claimed.

In terms of the 8 Wands factors, undue experimentation would be required to make or use the invention based on the content of the disclosure due to the breadth of the claims, the level of unpredictability in the art of the invention, and the poor amount of direction provided by applicants. Taking the above factors into consideration, it is not seen where the instant other forms are enabled by the instant application.

Genentech Inc v. Novo Nordisk A/S (CAFC) 42 USPQ2d 1001, states that "a patent is not a hunting license. It is not a reward for search, but compensation for its successful conclusion" and [p]atent protection is granted in return for an enabling disclosure of an invention, not for vague intimations of general ideas that may or may not be workable".

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 1 and 8 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

The expressions substituted, prodrugs, bioisotere and solvates in claims 1 and 8 are indefinite.

Regarding claim 1, the phrase "carboxy (or an acid bioosotere)" renders the claim indefinite because it is unclear whether the limitation(s) following the phrase are part of the claimed invention.

The plural 's' on "compounds", "salts", "prodrugs" and "solvates" makes claims 1 and 8 read on mixtures rather than specfic compounds. Further, the expression "and pharmaceutically....prodrugs" is improper Markush language since it is not drafted in alternative language.

The claims measure the invention. <u>United Carbon Co. v, Binney & Smith.</u>, 55 USPQ 381 at 384, col. 1, end of 1st paragraph, Supreme Court of the United States (1942).

The U.S. Court of Claims held to this standard in Lockheed Aircraft Corp. v. United States, 193 USPQ 449, "Claims measure invention and resolution of invention must be based on what is claimed".

The C.C.P.A. in 1978 held "that invention is the subject matter defined by the claims submitted by the applicant. We have consistently held that no applicant should have limitations of the specification read into a claim where no express statement of the limitation is included in the claim": In re Priest, 199 USPQ 11, at 15.

Allowable Subject Matter

Claims 1 and 8 would be allowable if rewritten or amended to overcome the rejection(s) under 35 U.S.C. 112 set forth in this Office action and if rewritten directed solely to the subject matter indicated as being examinable, supra.

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Claims 3-5, 11-13 and 15 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Patricia L. Morris whose telephone number is (571) 272-0688. The examiner can normally be reached on Mondays through Fridays.

The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

atricia L. Morris

Primary Examine

Art Unit 1625

plm

February 7, 2006